

SHLIOMOVICH, M, Kh.

Testing three-phase wattmeters. *Ism*, Tekh. no. 1:30-31 Ja '61.
(MIRA 14:1)

(Wattmeter)

SHLIOMOVICH, M. Kh.

Characteristics of some electric meters. Izv.tekh. no.7:33-36 J1 '61.
(MIRA 14:6)

(Electric meters)

SHLIOMOVICH, M.Kh.

Errors in the best method. Izv.tekh. no.10:41 0 '61. (MIRA 14:11)

(Electric measurements)

SHLIOMOVICH, M.Kh.; KAPNIK, M.Sh.

Exhibition of testing and measuring, and regulating instruments manufactured in East Germany. Izv.tekh. no.12:56-57 D '61.
(MIRA 15:1)

(Moscow--Exhibitions) (Germany, East--Instruments)

SOV/111-58-11-9/86

AUTHOR: Farber, Yu.D. and Shliomovich, Ye.M., Engineers of "Mezhgorsvyaz'stroy"

TITLE: **Communication Mains Using Transistor Amplifiers**
(Magistral'nyye svyazi s usilitelyami na poluprovodnikovyykh triodakh)

PERIODICAL: Vestnik svyazi, 1958, Nr 11, pp 10-11 (USSR)

ABSTRACT: Scientific research institutes of the radio industry in co-operation with "Mezhgorsvyaz'stroy" have developed transistor amplifiers for repeater stations. The "VKUS-24" has three stages: the first is equipped with one "P6D" transistor; the other two stages have one "P6G" transistor each. The models installed on condensed communication lines have cylindrical housings, 145 mm long and 40 mm in diameter. They require 5-8 milliamps at 24 volts dc. At a frequency of 108 kc the amplification amounts to about 4.7 nepers. Figure 1 shows the circuit diagram of another two-stage amplifier with one "PlA" and one "PlB" transistor. It is contained in a housing 75 x 75 x 75 mm. At a frequency of 0.8 kc the amplification is 2.7 nepers. A current of 5-7 milliamps is re-

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SOV/111-58-11-9/36

Communication Mains Using Transistor Amplifiers

quired at 24 volts dc. Further, a LF loudspeaker amplifier is mentioned which has three stages. The first stage has one "PlD" transistor, the second has one "P6A" and the third stage has two "P2B" transistors, the latter work in a push-pull system. At a frequency of 0.8 kc the amplification is 4 nepers. A current of 8-12 milliamps is required at 24 volts dc. The amplifier is enclosed in a case of 156 x 75 x 75 mm. Experimental investigations and measurements showed the suitability of transistor amplifiers for reducing the size of telephone equipment. There is 1 circuit diagram.

ASSOCIATION: "Mezhgorsvyaz'stroy"

Card 2/2

CHERNY, O.T.; BUDASHEV, V.I.; SHELOMOVICHES, Ya.G.

Effect of wetting the coal on its mechanical properties and
on the stressed state of the coal massif. Vop. gor. davi.
no.21:72-84 '64.

(MIRA 18:8)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.

SHLIONS'KA, A.I., mayor med.sluzhbi

Basic metabolism and respiration coefficient in wound sepsis.
Medych.zhur. 17:364-370 '47. (MIRA 11:1)

1. Iz brigadi Akademii nauk URSR po vivchennyu ranevogo sepsisu
(METABOLISM) (RESPIRATION) (WOUNDS)

BELYAYEV, A.A.; SHLIONSKEYA, A.I.

Cerebrospinal anesthesia in emergency surgery. Trudy Inst.
(MIRA 18:6)
im. N.Y. Sklif. 9:189-192 '63.

1. Moskovskiy gorodskoy nauchno-issledovatel'skiy institut
skoroy pomoshchi imeni Sklifosovskogo.

VOSKRESENSKIY, L.; YEVZEROV, A., tekhnoruk.; SHLIONSKAYA, Ye., KAUFMAN, S.,
inzhener-khimik; FIDLER, I., mekhanik; VINOKUR, V., khudozhnik.

Photographic printing on blankets. Prom.Keep.no.2:19-21 F '56.
(MIRA 9:7)

1.Pradsedatel' pravleniya arteli "Promtkach" (for Voskresenskiy)
(Textile printing)(Photomechanical process)

KAL'SHTEYN, F.I., kand.meditsinskikh nauk; SHLIONSKIY, A.B.

Tables of Tajik words for use in studying hearing acuteness by
means of speech. Zdrav. Tadzh. 6 no.6:36-38 '59. (MIRA 13:4)

1. Iz kafedry Lor-bolezney (zav. - zasluzhennyy deyatel' nauki
prof. Ya.L. Kots) i kafedry inostrannykh yazykov Stalinabadskogo
medinstituta im. Abuali ibni Sino.
(HEARING)

GORSKAYA, Nina Svyatoslavna; SHLIONSKIY, Grigoriy Borisovich

[Vladimir and its environs; a concise guidebook] Vladimir i ego
okrestnosti; kratkii putevoditel'. Vladimir, Vladimirovskoe
knizhnoe izd-vo, 1959. 165 p. (MIRA 14:4)
(Vladimir--Guidebooks)

SHILOVSKY, G.G.

DECEASED

(Mathematics)

See ILC

L 39690-66 ENT(d)/ENT(1)/ENT(m)/I/ENP(f) WH/DJ/GD-2

ACC NR: AP6009724

SOURCE CODE: UR/0114/66/000/003/0017/0018

AUTHOR: Shlindman, V. M. (Candidate of technical sciences, Docent)

ORG: none

TITLE: Operation of centrifugal pumps having various capacities of outlets

SOURCE: Energomashinostroyeniye, no. 3, 1966, 17-18

TOPIC TAGS: centrifugal pump, fluid pump

ABSTRACT: A theoretical family of characteristics and design coefficients of centrifugal pumps having different outlets are used for the purpose of improving the methods of pump design. It is found that: (1) In Russian terminology, the terms of optimal- and nonoptimal-capacity outlets should be introduced; the optimal outlet corresponds to the design impeller parameters (Q , H , n) connected with the normal and shockless entrance of the fluid; (2) The curves of

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UDC: 621.525.001.5

L 39690-66
ACC NR: AP6009724

$k = \Lambda_{cn} / \Lambda_{cm} = f(\eta_y)$ proposed in I. V. Davydov's article (Trudy VIGM, no. 22, Mashgiz, 1948) are suitable only for nonoptimal designs; (3) The quantity $k_{vc} = v_c / \sqrt{2gH}$ can serve as an optimality criterion for pump outlets. Orig. art. has: 4 formulas and 3 figures.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 005

Card 2/2 *gd*

SHLIONSKIY, Mikhail Semenovich; AMCHISLAVSKIY, Natan Veniaminovich; SLAV-
KIN, V.S., redaktor; EVENSON, I.M., tekhnicheskiiy redaktor

[Advanced work methods for finishing metal] Peredovye metody ra-
boty pri zachistke metalla. Moskva, Gos. nauchno-tekhn. izd-vo
literatury po chernoi i tsvetnoi metallurgii, 1955. 32 p.(MLRA 8:7)
(Rolling mills)

SHLIONSKIY, M.S., inzhener.

Methods of flame cleaning of metals. Stal' 16 no.5:446-449 My '56.
(MLRA 9:8)

1. Kuznetskiy metallurgicheskiy kombinat.
(Rolling (Metalwork))

AUTHORS: Amchislavskiy, N.V., Braunshteyn, R.A. and Shlionskiy, M.S.
(Engineers). 130 - 6 - 13/27

TITLE: Selection of a rational tool for pneumatic de-seaming of metal. (Podbor ratsional'nogo instrumenta dlya pnevmaticheskoy zachistki metalla).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.6, pp.25-28 (USSR).

ABSTRACT: In this article the selection of pneumatic hammers and bits for de-seaming steel before rolling is discussed. The characteristics of the eight types of pneumatic hammer at present used are tabulated and some of the numerous variations of bit form are illustrated. The effect on labour productivity of hammer power and the weight and shape of the bit are considered, the corresponding relations being shown graphically: all are seen to be important and the bit shape effect also depends on the type of steel. The effect of bit/hammer gap on the useful power of the hammer is also discussed and shown graphically. In general the authors recommend that hammers of maximal permitted power should be used: types KE-22, KE-28 and KE-32 for hand-support, knee support and heavier work, respectively. The material presented is based mainly on experiments at the Kuznetsk Metallurgical Combine.

Card 1/2

OSTROGORSKIY, V., inzh.; SHLIONSKIY, M., inzh.

Scraper-type unloading machines. Biul. TSNIICM no.3:75-77 '58.
(Railroads, Industrial--Equipment and supplies) (MIRA 11:5)

SHLIONSKIY, M. S.

14(2);25(5)

PHASE I BOOK EXPLOITATION

SOV/3073

Lyubimov, Valentin Mikhaylovich, Viktor Ivanovich Ostrogorskiy, and Mikhail Semenovich Shlionskiy

Skrebkovyye razgruzochnyye mashiny (Scraper-type Unloading Machines) Moscow, Metallurgizdat, 1959. 44 p. 2,700 copies printed.

Ed. of Publishing House: T. I. Kiseleva; Tech. Ed.: M. K. Attopovich.

PURPOSE: This booklet is intended for technical personnel in industrial transportation. It may also be useful to students of schools of higher education specializing in industrial transportation.

COVERAGE: The booklet deals with the industrial experience of the Railroad Department of the Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine) in the design and use of scraper-type unloading machinery. Detailed data are presented on the design, mechanical characteristics, and performance of such machinery. Operating and care and maintenance procedures are discussed. Data are given on the economic efficiency of operation. No personalities are mentioned. There are no references.

Card 1/3

Scraper-type Unloading Machines

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2. Constructions of the machinery	25
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SHLIONSKIY, M.; STAFYEV, A.

Bonus system at ore-dressing and sintering plants.

Sots.trud 5 no.1:128-130 Ja '60.

(MIRA 13:6)

1. Gornoye upravleniye Kuznetskogo metallurgicheskogo kombinata,
g. Stalinsk.

(Ore dressing)

(Bonus system)

SHLIONSKIY, M.S.

Potentialities for cost reduction in mines of the Kuznetsk
Metallurgical Combine. Gor. zhur. no.12:10-13 D '60.

(MIRA 13:12)

1. Nachal'nik planovogo otdela gornogo upravleniya Kuznetskogo
metallurgicheskogo kombinata.

(Gornaya Shoriya--Iron mines and mining--Costs)

SHLIONSKIY, M.S.; NEDOGON, A.V., gornyy inzh.

Discussion of A.V.Baronenkov's article "Improvement of planning and stimulation of interest in bonuses on the part of miners. Gor. zhur. no.9:9-11 S '63. (MIRA 16:10)

1. Nachal'nik planovogo otdela gornogo upravleniya Kuznetskogo metallurgicheskogo kombinata (for Shlionskiy). 2. Kombinat "Achpolimetall", g.Kentau (for Nedogon).

SHLIONSKIY S.Ye.

General plans and transportation systems of standard
cement plants. TSement 26 no.3:16-20 My-Je '60.

(MIRA 13:7)

(Cement plants)

(Building materials--Transportation)

107-57-2-13/56

AUTHOR: Shlionskiy, Sh.

TITLE: Design of Radio Paths
(Raschet radiotrass)

PERIODICAL: Radio, 1957, Nr 2, pp 16-17 (USSR)

ABSTRACT: In practical radio communication it is often necessary to determine a length of a communication line, azimuths of its terminals (for correct antenna orientation), and the coordinates of points of radiowaves reflected from the ionosphere. These spherical-trigonometry problems can be easily solved by means of a stereographic network (shown on the inside of the back cover). The author, with the help of A.R. Kosenkov, has used such a network for designing radio paths. Details of the network adopted for radiodesign use are explained. Also, a 7-step radio-path design method is set forth, including the determination of longitudinal interval, path length, two azimuths, and reflection points in F_2 -layer for single-hop and multihop communications, etc.

There are 1 figure and 1 table in the article.

AVAILABLE: Library of Congress

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SHLIONSKIY, Sh.

107-57-5-42/63

AUTHOR: Shlionskiy, Sh.

TITLE: Using Radio Forecasts (Ispol'zovaniye radioprognozov)

PERIODICAL: Radio, 1957, Nr 5, p 39 (USSR)

ABSTRACT: Annual and monthly radio forecasts are published by the Nauchno-issledovatel'skiy institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln (Scientific Research Institute of Terrestrial Magnetism, Ionosphere, and Radio-Wave Propagation). These published forecasts are distributed among Soviet radio clubs and used by amateurs. The purpose of the article is to explain in a nonscientific language how to use the forecasts for amateur communications. A frequency 15% below the monthly maximum usable frequency is recommended as the optimum working frequency. One-hop paths up to 4,000 km are considered "short". Working on frequencies close to the lowest useful high frequency is not recommended because of the high attenuation involved. Use of maps and charts is explained in detail.

There is one Soviet reference.

AVAILABLE: Library of Congress

Card 1/1

Shlionskiy, Sh.
AUTHOR: Shlionskiy, Sh.

107-9+18/53

TITLE: The Orientation of Antennas (Oriyentirovka antenn)

PERIODICAL: Radio, 1957, # 9, p 28 (USSR)

ABSTRACT: This article cites the different advantages of directional antennas and describes the methods of determining the azimuths and the meridians passing through the points, between which the radio communication is to be established.

The author comes to the conclusion that the best method of determining the meridian is utilizing the compass simultaneously with the map of magnetic declinations.

If the antenna is installed in a broken terrain or near buildings, electric lines etc., the direction of radio waves can change because of reflections. Therefore, it is recommended to determine the definitive direction of antennas in cooperation with the radio station with which communication will be established.

The article contains 1 Russian reference and 1 map of magnetic declinations.

AVAILABLE: Library of Congress
Card 1/1

СН 10N5617, Ш. 6.

В. Л. Герман,
В. М. Мещеряков

О применении центральной теории турбулентности
к излучению - излучению от возмущений поверхности мо-
ря при волнении

В. Е. Кудряв,
М. Ф. Казарова,
Т. Г. Туманова

Функции распределения уровня сигнала (неодно-
родное излучение)

10 июня
(с 10 до 16 часов)

В. М. Герман,
В. П. Дамулаев

К теории образования неоморфных неоднородно-
стей в слое

В. Д. Гусев,
Ю. В. Кузнецовский,
С. Ф. Маркелов

Сопоставление результатов наблюдения за группой
и в нелинейной неоднородности в слое F_2

В. Д. Гусев,
С. Ф. Маркелов,

М

Ю. В. Бегунов,
М. П. Косовский

О «разрешенности» системы, характери-
зующей горизонтальные разности неоморфных неоднородно-
стей

В. Д. Гусев,
М. Б. Комаров,
Т. А. Галкин

Статистические свойства фазы волны, отраженной
от неоморфной

В. Д. Гусев,
Т. А. Галкин

Об автоматизации обработки экспериментальных
данных при исследовании неоморфной неоморфной

10 июня
(с 18 до 22 часов)

В. А. Барсуков

Расчет квантитета связи высокочастотных радио-
тракт

М. Г. Шенников

Графо-аналитический способ расчета линий радио-
тракта для различных условий работы

63

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VSEI), Moscow,
8-12 June, 1959

AUTHOR: Shlionskiy, Sh. SOV/107-59-1-20/51

TITLE: Radio Communication Between the Antipodes
(Radiosvyaz' mezhdru antipodami)

PERIODICAL: Radio, 1959, Nr 1, p 25 (USSR)

ABSTRACT: The author explains the meaning of antipodes and describes the radio communication between them. In conclusion, he states that radio communication between the antipodes is of great scientific interest, and appeals to all radio amateurs to report to the editor any cases of a successful radio contact with any station in the area of an antipode. The report should include: 1) the geographical coordinates of the station in the antipodal area; 2) Moscow time of contact; 3) duration of contact; 4) whether it was two-way or one-way contact; 5) the frequency and power of the transmitter, if possible.

Card 1/1

S/169/62/000/007/143/149
D228/D307

6.4600

AUTHOR:

Shlionskiy, Sh. G.

TITLE:

Graphico-analytical way of calculating radio communication lines

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 28, abstract 7G182 (Tr. In-ta zemn. magn., ionosfery i raspr. radiovoln, AN SSSR, no.19 (29), 1961, 131-139)

TEXT: The author describes a graphico-analytical way of calculating the minimum applicable frequencies, the maximum communication range, the least necessary transmitter power, and other quantities needed for designing short-wave radio communication lines. The method is based on the calculation of the field signal's intensity by Kazantsev's method and the atmospheric interference distribution charts, recommended by the MKKR. The calculation's proposed form allows the original data to be replaced comparatively simply. The calculations take into account the technical facilities of the communication lines (transmitter power, antenna amplification, ✓B

Card 1/2

Graphico-analytical way ...

S/169/62/000/007/143/149
D228/D307

mode of operation) for a given communication reliability level.
/ Abstracter's note: Complete translation. /

✓B

Card 2/2

S/115/62/000/002/001/009
E032/E414

AUTHOR: Shlionskiy, Sh.G.

TITLE: Photoelectric harmonic analyser

PERIODICAL: Izmeritel'naya tekhnika, no.2, 1962, 3-5

TEXT: The author describes a device for the evaluation of integrals of the form

$$\int_0^X F(x) \sin(Ax + B) dx$$

which is encountered in Fourier analysis and synthesis. The device consists of the following sections: 1) input section in which the function $F(x)$ which is given in the form of a graph is transformed into a physical quantity which varies in the same way; 2) a generator of a harmonically varying (in time) physical quantity; 3) a phase shifter to adjust the phase B of the harmonic function and to determine the initial phase; 4) a section which is used to vary the relation between the period X of $F(x)$ and the period of the harmonic function so that the n -th harmonic
Card 1/2

Photoelectric harmonic analyser

S/115/62/000/002/001/009
E032/E414

can be separated out in analysis and the quantity t/T in synthesis; 5) a multiplying section which multiplies $F(x)$ and $\sin(Ax + B)$ together, and 6) an integrating section in which the product is integrated between 0 and X . In the present device, the multiplying and integrating element is a single electrodynamic wattmeter of the type described by A.A.Kharkevich (Ref.2: Spectra and Analysis, Gostekhizdat, Moscow, 1948). The generator of the given function $F(x)$ is in the form of a photoelectric converter and the generator of the harmonic function is a synchronous electromechanical generator. There are 1 figure and 4 Soviet-bloc references. ✓

Card 2/2

SHLIONSKIY, Sh.

Radio forecast of the lowest applicable frequencies. Radio
no.3:19 Mr '62. (MIRA 15:3)

(Radio, Shortwave)

SHLIONSKIY, Sh.G.; GORBACHEVA, V.A.

Computation of the lowest applicable frequencies and other short-wave communication quantitatives by means of electronic computers. Geomag. i aer. 3 no.4: 711-716 J1-Ag '63.
(MIRA 16:11)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

L 12821-66

(N)

EWT(d)/EWT(1)/FSS-2/FCC/EWA(h)/EEC(k)-2 RB/GW/WS-2

ACC NR: AP6002750

SOURCE CODE: UR/0203/65/005/006/1052/1060

AUTHOR: Shlionskiy, Sh. G.

ORG: Institute of Terrestrial Magnetism, the Ionosphere, and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)

TITLE: Some observations on beam methods for calculating long-distance short-wave radio communications

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1052-1060

TOPIC TAGS: ionospheric scattering, ionospheric radio wave, radio wave propagation

ABSTRACT: The author studies some problems associated with perfecting methods for prediction of long-distance short-wave radio communications. Some of the principal trajectories followed by radio waves are considered with regard to the initial radiation conditions and variations in the atmosphere along the path of the wave. The effect of various factors on the transmission and reception of short waves is examined: screening of the E region, electric field strength, focusing, losses due to scattering by inhomogeneities in the ionosphere, etc. Formulas are given which may be used to account for these factors. Gain

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UDC: 550.388.2

L 12821-66

ACC NR: AP6002750

with distance due to focusing is partially balanced by losses due to scattering so that electric field strength remains approximately inversely proportional to distance under quiet ionospheric conditions. An expression is given for the coefficient of absorption as a function of the effective number of collisions. Various factors are considered which influence the effective number of collisions between electrons, ions and neutral particles. The signal-to-noise ratio in reception is discussed. "The author is grateful to A. N. Kazantsev." Orig. art. has: 4 figures. and 7 formulas. [14]

SUB CODE: 17.04 SUBM DATE: 21Dec64/ ORIG REF: 010/ OTH REF: 002
ATD PRESS: 4183

jw
Card 2/2

L 13170-66 EWT(d)/FSS-2/EWT(1)/FS(v)-3/EEC(k)-2 AST/TT/RB/GW/WS-2
 ACC NR: AP6002751 SOURCE CODE: UR/0203/65/005/006/1061/1067

AUTHOR: Shlionskiy, Sh. G.

ORG: Institute of Terrestrial Magnetism, the Ionosphere, and Radio Wave Propagation, AN SSSR (Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR)

TITLE: Transmission losses from artificial satellites for waves following an orbital trajectory

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 6, 1965, 1061-1067

TOPIC TAGS: radio wave propagation, ionospheric radio wave, artificial Earth satellites

ABSTRACT: The author studies the basic problem of radio wave attenuation from artificial earth satellites and also considers some closely related problems pertaining to conditions for orbital wave trajectories. The width of the radiation sector from the artificial Earth satellite is evaluated for orbital trajectories where the satellite is below the maximum altitude of the F2 layer. The relationship between the width of the radiation sector and frequency is discussed. The factors which affect the shape of orbital trajectories are examined as well as the

UDC: 550.388.2:629.195.2

Card 1/2

L 13170-66

ACC NR: AP6002751

conditions under which these trajectories may be expected to descend to the Earth. Transmission losses are evaluated with regard to the course of the wave and the structure of the atmosphere along its path. An equation is given for the coefficient of absorption as a function of the effective number of collisions between electrons, ions, and neutral particles. Theoretical considerations indicate that the lowest losses should be expected when the orbital trajectory passes through the lower section of the F2 layer. This conclusion is confirmed by experimental data on transmission of around-the-world echo signals. It is shown that minimum attenuation including all types of losses is 5—10 db on a 40,000-km path, and a formula is given for determining attenuation per unit of length for the section of the path which has a trajectory following the curve of the path. The frequencies of waves which follow orbital trajectories are in the main higher than ordinary intermediate frequencies. The width of the radiation sector from the satellite may vary from units to tens of degrees. Attenuation of an orbital trajectory is lower by an order of magnitude on the average than that of an ordinary trajectory over the same route. The author is grateful to A. N. Kazantsev. Orig. art. has: 5 figures, and 14 formulas. [14]

SUB CODE: 17.22 SUBM DATE: 04Jan65/ ORIG REF: 006/ OTH REF: 003
ATD PRESS: 4192

Card

2/2

Shliozberg, Yu. A.

621-52 : 621.187
✓ 1776. — AUTOMATIZATION OF BOILER INSTALLATIONS OF
INDUSTRIAL UNDERTAKINGS. Yu. A. Shliozberg and A. A. Kharol.
Energetik (Moscow), 1956, No. 7, 1-4. In Russian.
Service experience proves the increase of efficiency of plants
with automatic control and better use of manpower than in those with
manual control. A scheme of automatic control using hydraulic
regulators is illustrated and explained. The requirements to be
satisfied by plants proposing to use the system are listed.
A. Karishad

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to Mark
fig

KH
WY

AUTHORS: Kosharskiy, B. D., Engineer, S/119/60/000/04/011/014
Krassov, I. M., Candidate of BO14/BO08
Technical Sciences, Shliozberg, Yu. A.,
Engineer, Yastrebenetskiy, M. A., Engineer

TITLE: Jet Generators for Pressure Vibrations

PERIODICAL: Priborostroyeniya, 1960, Nr 4, pp 27-29 (USSR)

ABSTRACT: Technical data on jet generators for pressure vibrations which are designed for the recording of the dynamic characteristic of pneumatic³ and hydraulic controllers³ of industrial installations, are given in the paper under review. The generators described here were built up from mass products by the "Teploavtomat" Works of the Khar'kovskiy sovnarkhoz (Khar'kov sovnarkhoz). Transformer oil is the working substance. The single-stage hydraulic amplifiers 1 and 2 are shown in figure 1. The jet tube is turned periodically to the side by a rotating eccentric, whereby the pressure in a nozzle connected with the element to be investigated depends on the position of the jet tube. A return coupling device is provided in type A (Fig 1a) to ensure the proportionality between the movement of the coupling rod and the position of the jet tube. In type B (Fig 1b) a spring is provided for the balancing of the kinematic system and for adjusting. The relation between the displacement

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Jet Generators for Pressure Vibrations

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B014/B008

of the jet tube and the movement of the coupling rod is described by formula (1). B-type generators can be used for oscillation amplitudes of from 20 mm water column up to 3 kg/cm^2 , and the oscillograms of 2 oscillations with amplitudes of 55 mm water column and of 1.3 kg/cm^2 are given in figure 2. The amplitude-frequency characteristic is shown in figure 3. It is finally pointed out that these jet generators can be used for hydraulic and pneumatic computers as well as for "extreme controllers". There are 3 figures and 4 Soviet references.

Card 2/2

SHLIOZBERG, Yu.A., inzh.

Experience in the operation of the "Teplokontrol" hydraulic
boiler feed controllers. Energetik 8 no.9:5-7 S :60.(MIRA 14:9)
(Boilers--Equipment and supplies) (Hydraulic control)

SHLIOZBERG, Yu.A., inzh.

Automatic control of the ~~combustion process~~ in steam boilers
with chain gratings. Energetik 9 no.9:9-11 S '61. (MIRA 14:9)
(Boilers) (Automatic control)

DUEL', Mikhail Aleksandrovich; RABINOVICH, Grigoriy Aronovich;
SELIOZBERG, Yuriy Abramovich; DULEYEV, Ye.M., red.;
LARIONOV, G.Ye., tekhn. red.

[Automatic hydraulic regulators of thermal processes] Gidrav-
licheskie avtomaticheskie regulatory teplovykh protsessov. Mo-
skva, Gos.energ.izd-vo, 1961. 199 p. (MIRA 15:2)
(Electric power plants—Equipment and supplies)
(Hydraulic control)

S/011/62/000/006/001/001
B238/D308

AUTHOR: Shliozberg, Yu.A., Engineer
TITLE: Application of hydraulic controllers
PERIODICAL: Energetik, no. 6, 1962, 4 - 5

TEXT: The hydraulic jet controllers which are mass-produced at the Khar'kov 'Teploavtomat' plant have been described in detail in the book by M.A. Duel, G.A. Rabinovich and U.A. Shliozberg (Gidravlicheskiye avtomaticheskiye regulatory teplovykh protsessov, (Hydraulic Automatic Controllers of Thermal Processes) Gosenergoizdat, 1961). They can be employed for automatic pressure and vacuum control, pressure-drop control and level and temperature control. The use of standard elements and unit construction provides astatic, static and isodrome controllers, depending on the required control principle, with continuous program feeding or with program as a function of time or any other parameter. The widest application is found in the automatic control of medium-power boilers, de-aerators and reduction cooling plants, open-hearth and coking furnaces and chemical plants. Sensitivity is comparable with that of electronic controllers. The drive-
Card 1/2 ✓

S/091/62/000/006/001/001
D238/D308

Application of hydraulic controllers

ing power is as much as 2 tons with a piston pressure drop of 12 kg/cm². Tests have shown an increase in efficiency on industrial boiler plants amounting to 2.5 - 3 % and even 4%, on introducing automatic control. Parameters of technological steam can be stabilized with the aid of hydraulic regulators. This has resulted in output being improved to over 20 % in the plastics industry. Obstacles to the further development of hydraulic controllers include the long oil pipelines required for remote control; suggestions are made for cable connections in special cases. A greater range of sensors is also indicated. A range of electro-hydraulic converters is necessary for use with viscometers, density meters and chemical and physical analysis equipment.

Card 2/2

3
I. 54151-63 ENT(d)/EEC(k)-2/EEC-4/ENP(v)/ENP(k)/ENP(h)/ENP(1) Po-4/Pq-4/
FF-1/13-13P-4/P1-4
ACCESSION NR AN5005930 BOOK EXPLOITATION UR/
681.2.002.56

Kosharskiy, R. D.; Puk. V. A.; Ponomareva, T. Kh.; Gorobova, N. S.; Kravtshyskiy
Z. R.; Pabimovich, O. A.; Pabimovich, O. A.; Pabimovich, O. A.; Pabimovich, O. A.

Automatic devices and regulators; handbook material (Avtomaticheskiye pribory i
regulyatory; spravochnyye materialy) Moscow, Izd-vo "Mashinostroyeniye", 64.
0704 p. illus., fold. diagrs. Errata slip inserted. 19,000 copies printed

TOPIC TAGS: automatic control, automatic temperature control, automatic pressure
control, automatic vacuum control, temperature instrument, pressure measuring
instrument, flow meter, liquid level instrument, pneumatic servomechanism

PURPOSE AND COVERAGE: The book describes the equipment used for automatic control,
signaling, and regulation of technological processes, and discusses temperature,
pressure, and level control devices, hydraulic, pneumatic, electric, and electronic
direct-acting regulators. The book is intended for engineering and technical
personnel engaged in the design, planning, and operation of automated industrial
enterprises, and may prove useful to students at higher and secondary specialized
schools.

1/2
Card

L 55151-65

ACCESSION NUMBER 005930

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SUBMITTED: 18Jun64

SUB CODE: IE, EC

NO REF SOV: 000

OTHER: 000

Card 2/2

GOREGLYAD, Kh.S.; KORYAZHNOV, V.P.; SHLIPAKOV, Ya.P.; YEMEL'YANOVA, N.I.,
red.; ZAVARSKIY, A.I., red.; BESKHLEBNOV, Yu.A., red.; USTIMENKO,
L.F., red.; GOR'KOVA, Z.D., tekhn.red.

[Technology and veterinary inspection of animal products] Veteri-
narno-sanitarnaya ekspertiza s osnovami tekhnologii produktov
zhivotnovodstva. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 355 p.
(MIRA 13:12)

(Animal products)

(Meat inspection)

LUBYANETSKIY, S. (Professor [and Reviewer]). About the book "Expert opinion on veterinary sanitation with fundamental technology for livestock products, by GOREGLYAD, Kh. S., KORYASHNOV, V. P. and SHLIPAKOV, Ya. P. Veterinarno-sanitarnaya ekspertiza s osnovami tekhnologii produktov zhivotnovodstva. M., Sel'khozgiz, 1960...

Veterinariya, vol. 39, no. 2, February 1962 pp. 85

SHLIPAKOVA, L.Ya.

Biochemical characteristics of the Lungching tea leaf and tea. Biokhin.
chain. proizv. no.9:53-55 '62. (MIRA 16:4)

1. Institut biokhimii imeni A.N.Bakha AN SSSR, Moskva.
(China--Tea)

SHLIPCHENKO, Z.S.; LITVINOV, Ye.V.

Factors which must be taken into account in selecting the SOT and NF-125 type of pump. Sakh.prom. 28 no.7:11-14 '54. (MLRA 8:1)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti im. Mikoyana (for Shlipchenko) 2. Ukrsakhremsnab (for Litvinov).
(Sugar industry--Equipment and supplies) (Pumping machinery)

SHLIPCHENKO, Z.S.

Efficient design of high pressure beet pumps. Trudy KTIPP
no.17:123-127 '57. (MIRA 13:1)
(Sugar industry--Equipment and supplies)

SHLIPCHENKO, Z.S.

FEDOROV, P.D.; STABNIKOV, V.N.; GLYBIN, I.P.; BELYAVSKIY, V.V.; BOYCHENKO,
N.G.; BUZYKIN, N.A.; GOLOVIN, P.V.; DEMCHUK, A.P.; ZHURA, K.D.;
KORCHINSKIY, A.I.; KURILENKO, O.D.; KLIMKO, N.G.; LITVAK, I.M.;
MAL'TSEV, P.M.; NIKOLAYCHUK, I.M.; NAUMOV, A.L.; POPOV, V.D.; RED'ZO,
F.A.; SKOBLO, D.I.; KHRISTENKO, M.M.; TSYGANKOV, P.S.; SHLIPCHENKO,
Z.S.; SHVETSOV, P.D.

Gleb Mikhailovich Znamenskii; obituary. Sakh. prom. 31 no.12:68
D '57. (MIRA 11:1)

(Znamenskii, Gleb Mikhailovich, 1901-1957)

SHLIPCHENKO, Z.S. ...

Unit for investigating the hydraulic resistance of pipes to the
flow of viscous liquids. Trudy KTIPP no.21:41-46 '59.

(MIRA 14:1)

(Pipe--Hydrodynamics)

MAKOVOSOV, Mikhail Ionovich, doktor tekhn. nauk, prof.; KUK, G.A.,
zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn. nauk,
prof., retsenzent; SHLIPCHENKO, Z.S., kand. tekhn. nauk,
dots.; LIPATOV, N.N., kand.tekhn.nauk, red.; KARGANOV, V.G.,
inzh., red.; SOKOLOVA, G.F., tekhn. red.; VLADIMIROVA, L.A.,
tekhn. red.

[Hydraulics and hydraulic machinery] Gidravlika i gidravliche-
skie mashiny. Moskva, Mashgiz, 1962. 427 p. (MIRA 15:8)
(Hydraulics) (Hydraulic machinery)

SHLIPCHENKO, Z.S.; RUDENKO-GRITSYUK, G.Ye.

Investigating some local resistances in the tubes during the
flow of feed molasses. Trudy KTIPP no.25:36-41 '62.

(MIRA 16:5)

(Frictional resistance (Hydrodynamics)) (Evaporating appliances)

SHLIPCHENKO, Z.S.

New experimental dependence for determining the coefficient of
frictional resistance along the tube 2 during the flow of feed
molasses. Trudy KTIPP no.25:41-44 '62. (MIRA 16:5)
(Frictional resistance (Hydrodynamics))(Evaporating appliances)

SHUPCHENKO, Z.S., kand. tekhn. nauk; RUDENKO-GRITSYUK, G.Ye., inzh.;
IRSHAN, N.G., inzh.

Studying the local hydraulic resistance of a pipe bend in
the flow of feed molasses. Fishch. prom. no.1:138-142 '65.
(MIRA 18:11)

DANILYCHEV, V.A.; KARLOV, N.V.; OSIPOV, B.D.; SHIRKOV, A.V.; SHLIPPE, G.I.

Magnetic resistance used in field measurements at helium temperatures. Prib. i tekhn. eksp. 8 no.5:221 S-O '63. (MIRA 16:12)

1. Fizivheskiy institut AN SSSR.

SHLIPPE, I.

"Tachometer for Measuring the Number of Revolutions of an Engine", Avtomobil', No. 9,
1948. Engr. -cl948-.

SHLIPPE, I. S.

Kalashnikov, N. V. and Shlippe, I. S. "Instruments for testing the technical condition of automobile electrical equipment," Sbornik nauch. trudov (Tsentr. nauch.-issled. in-t avtomob. transporta), Issue 5, 1949, p. 121-56.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

S.LIPPE, I. S., Engineer

"Investigation of the Process of Fuel Mixture Compensation in Automobile Carburetors." Sub 21 Jun 51, Moscow Automobile and Road Inst imeni V. M. Molotov

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

RUBETS, D.M., kandidat tekhnicheskikh nauk; SHLIPPE, I.S., redaktor;
PETROVSKAYA, Ye., tekhnicheskii redaktor.

[Systems of feeding automobile carburetor engines; construction
operation and regulation] Sistemy pitaniia avtomobil'nykh karbiu-
ratornykh dvigatelei; ustroistvo, obsluzhivanie i regulirovka.
Moskva, Izd-vo Ministerstva kommunal'nogo hoziaistva RSFSR, 1954.
314 p. (MLRA 7:7)

(Carburetors) (Automobiles--Fuel systems)

RUBETS, D., kandidat tekhnicheskikh nauk; SHLIPPE, I., kandidat tekhnicheskikh nauk.

Effect of the changing working process of an engine upon its wear.
Avt.transp. 32 no.4:10-11 Ap '54. (MLRA 7:6)

1. VNIIT. (Gas and oil engines)

PUCHENKOV, Aleksandr Petrovich, mekhanik; ~~SHLIPPE, Igor' Sergeyevich,~~
kandidat tekhnicheskikh nauk; NIKITIN, A.G., redaktor; GA-
LAKTIONOVA, Ye.N., tekhnicheskii redaktor

[Servicing and regulating electric equipment of automobiles]
Obsluzhivanie i regulirovka elektrooborudovaniia avtomobilei.
Izd. 2-oe, ispr. i dop. Moskva, Nauchno-tekhn. izd-vo avtotran-
sportnoi lit-ry, 1955. 126 p. (MIRA 9:4)
(Automobiles--Electric equipment)

SHLIPPE, I.S.

FAL'KEVICH, B.S., doktor tekhnicheskikh nauk; DIVAKOV, N.V., kandidat tekhnicheskikh nauk; SHLIPPE, I.S., kandidat tekhnicheskikh nauk, redaktor; VELIKANOV, D.P., kandidat tekhnicheskikh nauk, retsenzent; POLYAKOV, V.N., inzhener, retsenzent; YEGORKINA, L.I., redaktor; MODEL', B.I., tekhnicheskiiy redaktor

[Methods of testing automobiles and their mechanisms] Metody ispytaniia avtomobilia i ego mekhanizamov. No.7. [Power and efficiency of automobiles] Dinamichnost' i ekonomichnost' avtomobilia. Moskva Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry. 1955. 158 p. (MLRA 9:2)

1. Russia (1923- U.S.S.R.) Ministerstvo avtomobil'nogo, traktor-nogo i sel'skokhoziaistvennogo mashinostroyeniya.
(Automobiles--Testing)

ALEKSEYEV, Nikolay Ivanovich, inzhener; ~~SHLIPPE~~, Igor' Sergeevich;
SHELUKHIN, A.S., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskii redaktor

[Servicing the fuel systems of IaAZ-204 and IaAZ-206 engines]
Obsluzhivanie toplivnoi apparatury dvigatelei IaAZ-204 i IaAZ-206.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 71 p.
(Diesel engines) (MIRA 10:1)

SHLIPPE, I.

RUBETS, D., kandidat tekhnicheskikh nauk; ~~SHLIPPE, I.~~ kandidat tekhnicheskikh nauk.

Compensating fuel blend composition in carburetors by air intake into the main dosing system. Avt.transp. 35 no.3:19-21 Mr '57.
(MLRA 10:5)

(Automobiles--Engines--Carburetors)

SECRET
ALEKSEYEV, N., inzhener., KAPRALOV, B., inzhener., Shlippe, I., kandidat
tekhnicheskikh nauk.

Set of instruments used for checking fuel feed systems of carburetor
engines. Avt.transp. 35 no.4:18-21 Ap '57. (MLRA 10:5)
(Automobiles--Fuel consumption)

VELIKANOV, D.P., prof., doktor tekhn.nauk, obshchiy red.; SERGEYEV, N.M., red.. Prinimali uchastiye: SHLIPPE, I.S., starshiy nauchnyy sotrudnik, red.; KOCHULOV, V.P., mladshiy nauchnyy sotrudnik, red.. MAL'KOVA, N.V., tekhn.red.

[Improving technical facilities in auto transportation] Voprosy razvitiia tekhnicheskikh sredstv avtomobil'nogo transporta. Pod obshchei red. D.P.Velikanova. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 166 p.
(MIRA 12:10)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Transportation, Automotive)

VELIKANOV, Dmitriy Petrovich; SHLIPPE, Igor' Sergeyevich; MIKHEYEV,
A.P., prof., doktor tekhn.nauk, otv.red.; DROBYSHEV, Yu.G.,
red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Trends in the development of automotive transportation devices
in foreign countries] Tendentsii razvitiia avtomobil'nykh
transportnykh sredstv za rubezhom. Moskva, Izd-vo Akad.nauk
SSSR, 1960. 87 p. (MIRA 14:2)
(Transportation, Automotive)

SHLIPPE, I.S.

BRONSHTEYN, L.A., kand.tekhn.nauk; BRUSYANTSEV, N.V., kand.tekhn.nauk;
GRECHINSKAYA, L.T., inzh.; GROZOVSKIY, T.S., kand.tekhn.nauk;
KRAMARENKO, G.V., kand.tekhn.nauk; KRICHEVSKIY, Z.A., inzh.;
LEVIN, D.M., kand.tekhn.nauk [deceased]; Prinimali uchastiye:
BEGTEREV, G.N., kand.tekhn.nauk; SHEYNIN, A.M., kand.tekhn.nauk;
SHLIPPE, I.S., kand.tekhn.nauk; NAYDENOV, B.F., inzh. AFANAS'YEV,
L.L., kand.tekhn.nauk, red.; VASIL'YEVA, I.A., red.izd-va; UVAROVA,
A.F., tekhn.red.

[Handbook for automotive transportation] Avtotransportnyi spra-
vochnik. Izd.4., ispr. i dop. Pod obshchei red. L.L.Afanas'eva.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
819 p. (MIRA 13:12)

(Transportation, Automotive--Handbooks, manuals, etc.)

NAYDENOV, B.; PONIZOVKIN, A.; SHLIPPE, I.

Soviet economy needs motor vehicles with special purpose bodies.
Avt. transp. 38 no. 5:40-43 My '60. (MIRA 14:2)
(Motor trucks)

SHLIPPE, I., kand.tekhn.nauk

Development of internal combustion engines. Avt.transp. 38 no.10:58-
60 0 '60. (MIRA 13:10)

(Diesel engines)

RUBETS, D.A., kand. tekhn. nauk; TOKAREV, G.G., kand. tekhn. nauk,
red.; SHLIPPE, I.S., red.; PETROVSKAYA, Ye., tekhn. red.

[Investigation of the fuel economy of motor vehicles] Is-
sledovanie toplivnoi ekonomichnosti avtomobilei. Moskva,
Izd-vo M-va kommun.khoz.RSFSR, 1953. 22 p.

(MIRA 16:8)

(Motor vehicles--Fuel systems)

VELIKANOV, Dmitriy Petrovich, prof., doktor tekhn. nauk; SHLIPPE, I.S.,
red.; BODANOVA, A.P., tekhn. red.

[Operating characteristics of motor vehicles] Ekspluatatsion-
nye kachestva avtomobilei. Moskva, Avtotransizdat, 1962. 398 p.
(MIRA 16:4)

(Motor vehicles)

SHLIPPE, Sergey Aleksandrovich; SINITSINA, Yekaterina Fedorovna;
SOBOLEVSKIY, V.I., kand. geol.-miner. nauk, red.; MURONETS,
I.I., red. izd-va; KOLCHANOV, V.P., spets. red.; PLAKSHE,
L.Yu., tekhn. red.

[German-Russian geological and mineralogical dictionary]
Nemetsko-russkii geologo-mineralogicheskii slovar'. Pod
red. V.I.Sobolevskogo. Moskva, Fizmatgiz, 1962. 472 p.
(MIRA 15:11)

(German language--Dictionaries--Russian)
(Geology--Dictionaries) (Mineralogy--Dictionaries)

BOGATYREV, R.T.; VORONOV, Yu.A.; GOLUBENKOV, V.S.; GULYAYEV, P.I.;
SHLIPPENBAKH, N.Ya.

Parabiotic nature of the refractory phase of a single giant nerve
fiber in a squid. Vest. LGU 19 no.3:163-167 '64. (MIRA 17:3)

L 26951.-65. EPA(s)-2/EWT(m)/EWP(w)/EPT(c)/EPR/EWP(j)/T Pc-l/Pr-l/Ps-l WW/
EM/RM

ACCESSION NR: AT5003522

S/2681/64/000/011/0127/0145

AUTHORS: Strelyayev, V. S.; Tarnopol'skiy, Yu. M.; Timofeyev,
A. F.; Shlitsa, R. P.

TITLE: Effect of casting parameters on the strength of articles
made of transparent plastic

SOURCE: AN LatSSR. Otdeleniye fizicheskikh i tekhnicheskikh nauk.
Voprosy dinamiki i prochnosti, no. 11, 1964, 127-145

TOPIC TAGS: polymer, transparent plastic, casting, production con-
ditions

ABSTRACT: The article describes results of experiments made in
order to establish optimal hot-pressing conditions for glass-plas-
tics AG-4V and AG-4S on the basis of static tests. The tests were
made on plastic in the form of cylinders, bolts, cones, and plates.
The optimal hot-pressing behavior was studied under conditions used

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L 26951-65

ACCESSION NR: AT5003522

in practice for production of parts from this material. The results show that the best pressing temperature is 130C, and that when the temperature is increased to 170C the strength of the product usually decreases. The optimum soaking time is from 1 to 3 min/mm, beyond which the strength decreases. The optimal pressure is 300 ± 100 kg/cm², with higher pressures required for irregularly shaped parts (cylinder, cone) than for parts with simpler configuration. 100--200 kg/cm² is sufficient for plates. The characteristics of the parts depend also on their size. Numerous tables and diagrams illustrating the results are presented. Orig. art. has: 11 figures, 3 formulas, and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, IE

NR REF SOV: 007

OTHER: 003

Card 2/2

ZOROTKOVA, G.P.; SHLOGINA, K.V.

Autoplastic properties of the anterior extremity of 4- and 5-day-old chick embryos. Arkh. anat., gist. i embr. 48 no.2:17-24 F '65. (MIRA 18:8)

L. Kafedra embriologii (zav. zasluzhennyy deyatel' nauki doktor biol. nauk prof. B.P.Tokin) Leningradskogo gosudarstvennogo ordena Lenina universiteta imeni A.A.Zhdanova.

KRUPITSA, K.K., inzhener; GAPOTCHENKO, A.I., inzhener; SILOKIN, A.M.,
inzhener

Three-ton capacity two cantilever crane. Rats. i izobr.predl. v stroi
no.109:14-17 '55. (MIRA 8:12)

(Cranes, derricks, etc.)

BAYKOV, S.D.; GAL'PERIN, Ya.F.; IOFFE, A.F.; SHLOKOV, G.N. ..

Ferrites with rectangular hysteresis loops for electronic-physical
apparatus. Mnogokan. izm. sist. v iad. fiz. no.5:158-164 '63.
(MIRA 16:12)

SHLOKOV, YU. I.

22442. SHLOKOV, YU. I. Opytnoye issledovanie teploobmena v gazokhodakh kotla
(Doklad na konferen-tsii sno lki okt. 1948 G.) Sbornik rabot studentov- chlenov nauch.
krufkov (Leninr. Korablestroit. in-t) Vyp. 1, 1949 S-15-23

SO: LETOPIS' No. 30, 1949

SHLOM, Ye.Ye., inzh.; KURNOSOV, Yu.A., inzh.

Shortcomings in the construction and manufacture of excavator
cranes. Energ.stroi. no.4:36-43 '58. (MIRA 12:2)

1. Leningradskiy filial instituta "Orgenergostroy."
(Excavating machinery)

SHLOM, Ye.Ye., inzh.; KURNOSOV, Yu.A., inzh.

Operation of the DUB-2400 and DUB-2400M automatic units which
batch by weight. Energ. stroi. no.3:69-73 (13), 1960. (MIRA 14:9)

1. Leningradskiy filial instituta "Orgenergostroy".
(Concrete plants—Equipment and supplies)

VOL'PIAN, V.G.; SHLOMA, A.M.

Band filters with different passband and equal phase-frequency characteristics. Elektrosviaz' 17 no.12:14-22 D '63. (MIRA 17:2)

ACCESSION NR: AP4041001

S/0106/64/000/006/0019/0028.

AUTHOR: Vol'pyan, V. G.; Shloma, A. M.

TITLE: Synthesis of selective systems having different passbands and identical phase-frequency characteristics [Report at the All-Union Scientific Session of NTO dedicated to the Radio Day, 1963]

SOURCE: Elektrosvyaz', ¹⁸⁻no. 6, 1964, 19-28

TOPIC TAGS: radio communication, phase radio communication, radio signal selection, radio signal phase selection

ABSTRACT: The problem of controlling the passband of a phase-sensitive radio receiver so that its phase-frequency characteristic remains constant is considered. It is proven that on the basis of any n-th-order minimum-phase transfer function, N transfer functions having the same phase but different amplitude-frequency characteristics can be found. The identical-phase transfer

Card 1/2

ACCESSION NR: AP5013030

UR/0206/65/000/005/0020/0029
621.372.57

AUTHOR: Vol'pian, V. G.; Shloma, A. M.

TITLE: Synthesizing selective systems with a continuously controllable passband and a constant phase-frequency characteristic [Reported at the 19th All-Union Conference of NTORG, May 1963]

SOURCE: Elektrosvyaz', no. 5, 1965, 20-29

TOPIC TAGS: transfer function, selective filter, selective transmission system

ABSTRACT: Methods of finding controlled-parameter transfer functions are considered; the parameter may result in a variation of the amplitude-frequency characteristic with the phase-frequency characteristic constant. It is shown that such transfer functions can be realized by means of active feedback-type quadri-poles. The method of synthesis presented in the article permits finding n-th order transfer functions having the same phase but different moduli. Each

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ACCESSION NR: AP5013030

transfer function is distinguished by the fact that it has quadrant-symmetrical zeros. Migration of these zeros in the plane of complex detuning results only in a variation of the modulus. Realization of the transfer functions in the form of electron-tube stages with frequency-dependent feedback permits synthesizing selective filters with a continuously controllable passband and a constant phase-frequency characteristic. The passband is controlled by the tube trans-conductance which, in turn, is controlled by the grid bias. An experimental verification is mentioned. Orig. art. has: 11 figures and 36 formulas.

ASSOCIATION: none

SUBMITTED: 16Nov64

ENCL: 00

SUB CODE: EC

NO REF SOV: 003

OTHER: 000

Card 2/2

SHLOMA, P. I., SAMOKESHEV, A. P. and DANILOV, I. A.

"The System of Observation of Servicemen with a Disrupted Vascular Tonus in Their First Year of Service".

Voyenno Meditsinskiy Zhurnal, No. 4, 1962

CHEKMAREV, A.P., akademik; MASHKOVTSSEV, R.A., kand.tekhn.nauk; SHLOMCHAK,
G.G.

Power parameters in rolling lightweight sections. Met. i gornorud.
prom. no. 2:33-34 Mr-Ap '64. (MIRA 17:9)

1. Akademiya nauk Ukrainskoy SSR (for Chekmarev).

MASHKOVTSSEV, R.A.; SHLOMCHAK, G.G.; ROMANCHENKO, V.I.

Longer lasting grooves. Metallurg 10 no.4:29-30 Ap '65. (MIRA 18:7)

1. Dnepropetrovskiy metallurgicheskii institut.

SHLOMIN, V.I., aspirant

Amplitude-frequency and phase-frequency characteristics of a synchronous filter and their correction. Izv. LETI no.45:60-80 '61.
(MIRA 16:5)

(Radio filters)

(Electric filters)

ACC NR: AP7002021

SOURCE CODE: UR/0142/66/009/005/0630/0637

AUTHOR: Grishin, Yu. P.; Shlomin, V. I.

ORG: none

TITLE: Probability of catching the target by the tracking system of an automatic range finder with automatic target search

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 5, 1966, 630-637

TOPIC TAGS: radar rangefinding, ranging, target tracking

ABSTRACT: The transition from automatic target searching to automatic range tracking (ART) is examined. Both the signal pulse, and search-system gating pulse are assumed to be square-shaped. The effect of the relative positions of (a) the zero point on the time-discriminator characteristic and (b) the characteristic point on the signal pulse upon the probability of presence of a target within a certain

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SOURCE CODE: UR/0142/66/009/003/0340/0344

AUTHOR: Grishin, Yu. P.; Shlomin, V. I.

ORG: none

TITLE: Statistical characteristics of the discrete detector with nonoptimal logic

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 3, 1966, 340-344

TOPIC TAGS: radar detection, discrete detector, signal noise separation

ABSTRACT: Two radar detectors, (a) with "k in succession out of N" logic and (b) with "k out of N" logic, are compared with respect to their probabilistic characteristics: the probability of correct detection and the probability of false alarm. As no analytical expression for the probabilities of the "a" logic is known, the problem is solved approximately by using the method of generating functions. For the "b" logic, exact formulas are presented. A numerical

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UDC: 621.396.96:681.142.5

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(Diorama) (Military education)